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OM nucleic - nucleic search, using sw model

Pun on: March 11, 2003, 12:06:18 : Search time 118 Seconds
(without alignments)
14088.938 Million cell updates/sec

Title: US-10-006-911-3

Perfect score: 5421

Sequence: 1 ccggatccgggtttttttg.....tggttcaaaaaaaaaaaaaa 5421

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 609818

Minimum DB seq length: 0
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Issued Patents NA**

- 1: /cgn2_6/prodata/1/ina/5A_COMB.seq.*
- 2: /cgn2_6/prodata/1/ina/5B_COMB.seq.*
- 3: /cgn2_6/prodata/1/ina/6A_COMB.seq.*
- 4: /cgn2_6/prodata/1/ina/6B_COMB.seq.*
- 5: /cgn2_6/prodata/1/ina/PTUS_COMB.seq.*
- 6: /cgn2_6/prodata/1/ina/backfiles.seq.*

Pred No is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	34.6	0.6	50	4	US-09-580-923-35
C 2	30.8	0.6	47	4	US-09-641-638-661
C 3	29.8	0.5	44	1	US-08-222-177A-385
C 4	29	0.5	47	4	US-09-641-638-1623
C 5	28.6	0.5	40	2	US-08-933-358-18
C 6	27.8	0.5	40	2	US-08-771-624B-1
C 7	27.8	0.5	40	2	US-08-440-209-4
C 8	27.8	0.5	40	3	US-08-439-996-4
C 9	27.8	0.5	40	4	US-09-732-067-7
C 10	27.8	0.5	44	1	US-08-664-596B-9
C 11	27.8	0.5	50	1	US-08-420-443-1
C 12	27.6	0.5	47	4	US-09-641-638-934
C 13	27.6	0.5	47	4	US-09-641-638-935
C 14	26.8	0.5	30	4	US-09-281-481A-4
C 15	26.4	0.5	36	4	US-09-462-569B-4
C 16	26.4	0.5	37	1	US-08-113-646A-44
C 17	26.2	0.5	41	1	US-08-113-646A-39
C 18	26.2	0.5	44	1	US-08-113-646A-40
C 19	26.2	0.5	50	1	US-08-233-609-5
C 20	26.2	0.5	50	1	US-08-444-083-5
C 21	26.2	0.5	50	1	US-08-286-304-5
C 22	26.2	0.5	50	1	US-08-442-745-5
C 23	26.2	0.5	50	1	US-08-443-123-5
C 24	26.2	0.5	50	1	US-08-443-952-5
C 25	26.2	0.5	50	1	US-08-443-130-5
C 26	26.2	0.5	50	3	US-08-828-911-5
C 27	26.2	0.5	50	5	PCT-US95-04467-5

28	26	0.5	42	4	US-09-244-794A-11	Sequence 11, Appl
29	26	0.5	42	4	US-09-247-190-11	Sequence 11, Appl
30	26	0.5	42	4	US-09-247-190-13	Sequence 13, Appl
31	25.6	0.5	42	1	US-07-825-167-2	Sequence 2, Appl
32	25.6	0.5	42	1	US-08-287-164-2	Sequence 2, Appl
33	25.6	0.5	50	1	US-08-233-609-5	Sequence 5, Appl
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53	24.8	0.5	29	4	US-09-569-344-6	Sequence 5, Appl
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97	24	0.4	42	4	US-09-641-638-848	Sequence 848, App
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114	23.8	0.4	50	1	US-09-261-565-33	Sequence 33, Appl	C 187	23.2	0.4	50	2	US-08-663-823B-74	Sequence 74, Appl
115	23.8	0.4	51	1	US-07-901-707-21	Sequence 21, Appl	C 188	23.2	0.4	50	2	US-08-808-474A-8	Sequence 8, Appl
116	23.8	0.4	52	1	US-07-988-430-21	Sequence 21, Appl	C 189	23.2	0.4	50	2	US-08-808-474A-9	Sequence 9, Appl
117	23.8	0.4	53	1	US-08-425-336-21	Sequence 21, Appl	C 190	23.2	0.4	50	2	US-08-808-474A-10	Sequence 10, Appl
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165	23.8	0.4	101	1	US-08-870-730-9	Sequence 9, Appl	C 238	23.2	0.4	50	2	US-09-235-614-9	Sequence 9, Appl
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172	23.8	0.4	108	1	US-08-455-068E-44	Sequence 44, Appl	C 245	23.2	0.4	50	2	US-09-235-614-9	Sequence 9, Appl
173	23.8	0.4	109	1	US-09-619-103-4	Sequence 4, Appl	C 246	23.2	0.4	50	2	US-09-235-614-9	Sequence 9, Appl

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248	22.6	0.4	47	4	US-09-338-907-198	Sequence 175, App	321	22	0.4	30	1	US-08-433-505-9	Sequence 9, Appl
249	22.6	0.4	47	4	US-09-338-907-198	Sequence 175, App	322	22	0.4	30	1	US-08-870-730-9	Sequence 9, Appl
250	22.6	0.4	47	4	US-09-338-907-198	Sequence 275, App	323	22	0.4	30	4	US-09-083-123-3	Sequence 3, Appl
251	22.6	0.4	48	1	US-08-380-438-6	Sequence 6, Appl	324	22	0.4	30	4	US-09-083-123-7	Sequence 7, Appl
252	22.6	0.4	50	2	US-08-541-033A-9	Sequence 9, Appl	325	22	0.4	30	4	US-08-882-649A-10	Sequence 10, Appl
253	22.6	0.4	50	2	US-08-663-823B-72	Sequence 72, App	326	22	0.4	35	1	US-08-532-936B-27	Sequence 27, Appl
254	22.6	0.4	50	2	US-08-663-823B-72	Sequence 74, App	327	22	0.4	35	1	US-08-788-928A-25	Sequence 25, Appl
255	22.6	0.4	50	2	US-08-828-451-9	Sequence 9, Appl	328	22	0.4	35	2	US-09-111-573-27	Sequence 17, Appl
256	22.4	0.4	24	1	US-08-014-943A-25	Sequence 25, Appl	329	22	0.4	36	1	US-08-004-800-16	Sequence 16, Appl
257	22.4	0.4	24	1	US-08-486-421-50	Sequence 50, Appl	330	22	0.4	36	1	US-08-413-813-16	Sequence 16, Appl
258	22.4	0.4	24	1	US-08-470-911-50	Sequence 50, Appl	331	22	0.4	36	2	US-08-467-346-16	Sequence 16, Appl
259	22.4	0.4	24	1	US-08-735-381-1	Sequence 1, Appl	332	22	0.4	36	2	US-08-863-639A-25	Sequence 25, Appl
260	22.4	0.4	24	2	US-08-486-809-50	Sequence 50, Appl	333	22	0.4	36	4	US-09-420-592A-13	Sequence 13, Appl
261	22.4	0.4	24	2	US-09-183-619-7	Sequence 7, Appl	334	22	0.4	39	1	US-08-485-602-89	Sequence 89, Appl
262	22.4	0.4	24	3	US-09-201-674-1	Sequence 1, Appl	335	22	0.4	39	1	US-08-745-638-89	Sequence 89, Appl
263	22.4	0.4	24	4	US-09-536-936-11	Sequence 11, Appl	336	22	0.4	40	4	US-09-306-390-17	Sequence 17, Appl
264	22.4	0.4	24	4	US-09-025-639-4	Sequence 4, Appl	337	22	0.4	40	4	US-09-306-390-26	Sequence 26, Appl
265	22.4	0.4	24	4	US-09-333-237-4	Sequence 4, Appl	338	22	0.4	45	1	US-08-752-019B-15	Sequence 15, Appl
266	22.4	0.4	24	4	US-09-732-067-1	Sequence 1, Appl	339	22	0.4	45	3	US-08-988-819-15	Sequence 15, Appl
267	22.4	0.4	25	1	US-08-341-148-2	Sequence 2, Appl	340	22	0.4	45	3	US-09-016-534-15	Sequence 15, Appl
268	22.4	0.4	25	1	US-08-460-130-2	Sequence 2, Appl	341	21.8	0.4	26	3	US-08-910-632-5	Sequence 5, Appl
269	22.4	0.4	25	3	US-08-969-813-1	Sequence 1, Appl	342	21.8	0.4	26	3	US-08-805-631A-5	Sequence 5, Appl
270	22.4	0.4	25	3	US-09-183-619-5	Sequence 5, Appl	343	21.8	0.4	26	4	US-09-569-344-5	Sequence 5, Appl
271	22.4	0.4	25	5	PCT-US94-14096-2	Sequence 2, Appl	344	21.8	0.4	29	3	US-09-569-344-5	Sequence 5, Appl
272	22.4	0.4	26	1	US-08-621-914A-3	Sequence 3, Appl	345	21.8	0.4	29	3	US-08-910-632-6	Sequence 6, Appl
273	22.4	0.4	26	1	US-08-621-914A-3	Sequence 3, Appl	346	21.8	0.4	29	4	US-08-805-631A-6	Sequence 6, Appl
274	22.4	0.4	26	2	US-08-873-437-2	Sequence 2, Appl	347	21.8	0.4	34	1	US-08-418-123A-15	Sequence 15, Appl
275	22.4	0.4	26	4	US-09-197-951-5	Sequence 5, Appl	348	21.8	0.4	35	2	US-08-173-489C-20	Sequence 20, Appl
276	22.4	0.4	26	4	US-08-860-038-19	Sequence 19, Appl	349	21.8	0.4	38	4	US-09-325-554-9	Sequence 9, Appl
277	22.4	0.4	26	4	US-09-522-217-39	Sequence 39, Appl	350	21.8	0.4	40	1	US-08-644-664B-15	Sequence 15, Appl
278	22.4	0.4	26	4	US-09-580-923-19	Sequence 19, Appl	351	21.8	0.4	40	2	US-08-761-277A-15	Sequence 15, Appl
279	22.4	0.4	27	1	US-08-208-486-79	Sequence 78, App	352	21.8	0.4	45	1	US-08-522-623-4	Sequence 4, Appl
280	22.4	0.4	27	1	US-08-325-554-18	Sequence 18, App	353	21.8	0.4	45	5	PCT-US93-03256-4	Sequence 4, Appl
281	22.4	0.4	29	4	US-09-244-794A-8	Sequence 8, Appl	354	21.8	0.4	46	4	US-09-322-692-1	Sequence 1, Appl
282	22.4	0.4	29	4	US-09-007-005-8	Sequence 8, Appl	355	21.8	0.4	46	4	US-08-821-994-9	Sequence 9, Appl
283	22.4	0.4	29	4	US-09-247-105-8	Sequence 8, Appl	356	21.8	0.4	46	4	US-09-690-300-1	Sequence 1, Appl
284	22.4	0.4	29	4	US-09-244-796-8	Sequence 8, Appl	357	21.8	0.4	47	4	US-08-641-638-1191	Sequence 1191, App
285	22.4	0.4	32	5	PCT-US92-10792-1	Sequence 1, Appl	358	21.8	0.4	48	4	US-08-821-994-8	Sequence 8, Appl
286	22.4	0.4	34	1	US-08-113-646A-36	Sequence 36, Appl	359	21.8	0.4	48	4	US-09-307-924-17	Sequence 17, Appl
287	22.4	0.4	35	1	US-08-438-500-6	Sequence 6, Appl	360	21.8	0.4	49	1	US-08-463-894-21	Sequence 21, Appl
288	22.4	0.4	35	1	US-08-477-442-6	Sequence 6, Appl	361	21.8	0.4	49	1	US-08-206-185-21	Sequence 21, Appl
289	22.4	0.4	35	5	PCT-US94-05910-6	Sequence 6, Appl	362	21.8	0.4	50	1	US-08-109-391A-11	Sequence 11, Appl
290	22.4	0.4	38	4	US-09-325-554-15	Sequence 15, Appl	363	21.8	0.4	50	1	US-08-459-019A-11	Sequence 11, Appl
291	22.4	0.4	40	2	US-08-771-624B-10	Sequence 10, Appl	364	21.8	0.4	50	1	US-08-485-107-3	Sequence 3, Appl
292	22.4	0.4	40	3	US-09-070-998-1	Sequence 1, Appl	365	21.8	0.4	50	1	US-08-724-194-7	Sequence 7, Appl
293	22.4	0.4	40	4	US-09-574-561-1	Sequence 1, Appl	366	21.8	0.4	50	2	US-08-450-428A-11	Sequence 11, Appl
294	22.4	0.4	42	4	US-09-693-146-14	Sequence 14, Appl	367	21.8	0.4	50	2	US-08-879-260-9	Sequence 9, Appl
295	22.4	0.4	46	1	US-08-232-463-40	Sequence 40, Appl	368	21.8	0.4	50	2	US-08-799-464A-27	Sequence 27, Appl
296	22.4	0.4	46	2	US-08-663-688A-4	Sequence 4, Appl	369	21.8	0.4	50	3	US-08-874-825-27	Sequence 27, Appl
297	22.4	0.4	46	2	US-08-641-638-885	Sequence 885, App	370	21.8	0.4	50	3	US-08-663-824-36	Sequence 36, Appl
298	22.4	0.4	48	4	US-08-563-368B-14	Sequence 14, Appl	371	21.8	0.4	50	3	US-08-458-860A-11	Sequence 11, Appl
299	22.4	0.4	48	4	US-09-549-770B-14	Sequence 14, Appl	372	21.8	0.4	50	4	US-08-934-627B-3	Sequence 3, Appl
300	22.4	0.4	48	4	US-09-101-751A-14	Sequence 14, Appl	373	21.8	0.4	50	4	US-09-171-482-3	Sequence 3, Appl
301	22.4	0.4	50	1	US-08-381-572-20	Sequence 20, Appl	374	21.8	0.4	50	4	US-09-231-103-16	Sequence 16, Appl
302	22.4	0.4	50	1	US-08-592-820-20	Sequence 20, Appl	375	21.8	0.4	50	4	US-09-255-154D-1	Sequence 1, Appl
303	22.4	0.4	50	3	US-08-975-992-24	Sequence 24, Appl	376	21.8	0.4	30	1	US-09-418-123A-3	Sequence 3, Appl
304	22.4	0.4	50	3	US-09-251-565-24	Sequence 24, Appl	377	21.6	0.4	33	6	5478746-1	Patent No 5478746
305	22.2	0.4	30	4	US-09-648-040-4	Sequence 4, Appl	378	21.6	0.4	36	2	US-08-863-639A-26	Sequence 26, Appl
306	22.2	0.4	31	4	US-09-268-505B-13	Sequence 13, Appl	379	21.6	0.4	39	2	US-08-701-124-44	Sequence 44, Appl
307	22.2	0.4	42	1	US-08-250-853-3	Sequence 3, Appl	380	21.6	0.4	39	3	US-09-130-325-44	Sequence 44, Appl
308	22.2	0.4	42	1	US-08-490-803-3	Sequence 3, Appl	381	21.6	0.4	39	4	US-09-240-918-82	Sequence 82, Appl
309	22.2	0.4	42	2	US-08-457-254-24	Sequence 14, Appl	382	21.6	0.4	39	4	US-09-455-061-44	Sequence 44, Appl
310	22.2	0.4	42	2	US-08-484-257-3	Sequence 3, Appl	383	21.6	0.4	39	4	US-09-101-751A-68	Sequence 68, Appl
311	22.2	0.4	42	4	US-08-974-691-12	Sequence 12, Appl	384	21.6	0.4	39	4	US-09-101-751A-79	Sequence 79, Appl
312	22.2	0.4	42	5	PCT-US94-08806-3	Sequence 3, Appl	385	21.6	0.4	40	4	US-09-306-290-2	Sequence 2, Appl
313	22.2	0.4	42	5	PCT-US95-01775-3	Sequence 3, Appl	386	21.6	0.4	40	4	US-09-306-290-16	Sequence 16, Appl
314	22.2	0.4	42	5	PCT-US95-16626-14	Sequence 14, Appl	387	21.6	0.4	45	1	US-08-522-623-6	Sequence 6, Appl
315	22.2	0.4	44	4	US-09-293-362-3	Sequence 3, Appl	388	21.6	0.4	45	1	US-08-522-623-11	Sequence 11, Appl
316	22.2	0.4	47	4	US-09-641-638-918	Sequence 9, App	389	21.6	0.4	45	2	US-09-701-124-42	Sequence 42, Appl
317	22.2	0.4	49	6	5516641-1	Patent No. 5516641	390	21.6	0.4	45	3	US-09-130-325-42	Sequence 42, Appl
318	22.2	0.4	50	2	US-08-975-992-24	Sequence 24, Appl	391	21.6	0.4	45	4	US-09-455-061-42	Sequence 42, Appl
319	22.2	0.4	50	3	US-09-251-565-24	Sequence 24, Appl	392	21.6	0.4	45	5	PCT-US93-03256-6	Sequence 6, Appl

393	21.6	0.4	45	5	PCT-US91-01256-11	Sequence 11, Appl	466	21	0.4	50	4	US-09-617-871-6	Sequence 6, Appl
394	21.6	0.4	47	3	US-08-999-733-6	Sequence 6, Appl	C 467	20.8	0.4	25	1	US-08-113-646A-42	Sequence 42, Appl
395	21.6	0.4	48	2	US-08-975-902-40	Sequence 40, Appl	C 468	20.8	0.4	27	4	US-09-323-534-18	Sequence 18, Appl
396	21.6	0.4	48	3	US-09-551-565-40	Sequence 40, Appl	C 469	20.8	0.4	32	1	US-08-126-594-8	Sequence 8, Appl
397	21.6	0.4	49	4	US-09-007-005-14	Sequence 14, Appl	C 470	20.8	0.4	32	1	US-08-465-811A-8	Sequence 8, Appl
398	21.6	0.4	49	4	US-09-244-796-14	Sequence 14, Appl	C 471	20.8	0.4	32	2	US-08-619-542B-8	Sequence 8, Appl
399	21.4	0.4	24	4	US-09-164-249B-6	Sequence 6, Appl	C 472	20.8	0.4	33	1	US-08-418-123A-16	Sequence 16, Appl
400	21.4	0.4	33	1	US-08-113-646A-35	Sequence 35, Appl	C 473	20.8	0.4	35	1	US-08-126-594-19	Sequence 19, Appl
401	21.4	0.4	35	1	US-08-435-350-118	Sequence 118, Appl	C 474	20.8	0.4	35	1	US-08-465-811A-19	Sequence 19, Appl
402	21.4	0.4	40	2	US-08-859-106A-4	Sequence 4, Appl	C 475	20.8	0.4	36	2	US-08-619-542B-19	Sequence 19, Appl
403	21.4	0.4	40	4	US-09-306-290-19	Sequence 19, Appl	C 476	20.8	0.4	36	1	US-08-413-813-3	Sequence 3, Appl
404	21.4	0.4	40	4	US-09-306-290-27	Sequence 27, Appl	C 477	20.8	0.4	36	2	US-08-265-628-9	Sequence 9, Appl
405	21.4	0.4	40	4	US-09-306-290-36	Sequence 36, Appl	C 478	20.8	0.4	36	1	US-08-467-346-3	Sequence 3, Appl
406	21.4	0.4	40	4	US-09-011-540-11	Sequence 11, Appl	C 479	20.8	0.4	38	2	US-08-771-624B-21	Sequence 21, Appl
407	21.4	0.4	40	4	US-09-732-067-6	Sequence 6, Appl	C 480	20.8	0.4	38	4	US-09-325-554-7	Sequence 7, Appl
408	21.4	0.4	41	4	US-08-484-922A-11	Sequence 11, Appl	C 481	20.8	0.4	38	4	US-09-325-554-11	Sequence 11, Appl
409	21.4	0.4	43	1	US-09-473-096-8	Sequence 8, Appl	C 482	20.8	0.4	40	1	US-08-433-505-10	Sequence 10, Appl
410	21.4	0.4	43	1	US-08-473-096-13	Sequence 13, Appl	C 483	20.8	0.4	40	3	US-08-870-710-10	Sequence 10, Appl
411	21.4	0.4	44	4	US-09-240-918-79	Sequence 79, Appl	C 484	20.8	0.4	40	4	US-09-306-290-19	Sequence 19, Appl
412	21.4	0.4	45	1	US-08-244-113-15	Sequence 15, Appl	C 485	20.8	0.4	40	4	US-09-306-290-28	Sequence 28, Appl
413	21.4	0.4	45	1	US-08-211-942-20	Sequence 20, Appl	C 486	20.8	0.4	40	4	US-09-306-290-32	Sequence 32, Appl
414	21.4	0.4	45	3	US-08-646-273-10	Sequence 10, Appl	C 487	20.8	0.4	40	4	US-09-306-290-38	Sequence 38, Appl
415	21.4	0.4	47	4	US-08-549-770B-13	Sequence 13, Appl	C 488	20.8	0.4	40	4	US-09-306-290-39	Sequence 39, Appl
416	21.4	0.4	47	4	US-09-641-638-936	Sequence 936, Appl	C 489	20.8	0.4	40	4	US-08-970-166-38	Sequence 18, Appl
417	21.4	0.4	47	4	US-09-538-709-1030	Sequence 1030, Appl	C 490	20.8	0.4	42	2	US-08-975-902-31	Sequence 31, Appl
418	21.2	0.4	26	1	US-08-621-914A-2	Sequence 2, Appl	C 491	20.8	0.4	42	3	US-09-251-565-31	Sequence 31, Appl
419	21.2	0.4	26	3	US-08-873-437-2	Sequence 2, Appl	C 492	20.8	0.4	42	4	US-09-536-936-4	Sequence 4, Appl
420	21.2	0.4	26	4	US-09-197-951-5	Sequence 5, Appl	C 493	20.8	0.4	42	4	US-09-536-936-5	Sequence 5, Appl
421	21.2	0.4	26	4	US-09-522-217-39	Sequence 39, Appl	C 494	20.8	0.4	43	3	US-09-626-343-6	Sequence 6, Appl
422	21.2	0.4	27	1	US-08-208-486-79	Sequence 79, Appl	C 495	20.8	0.4	43	4	US-09-306-290-37	Sequence 37, Appl
423	21.2	0.4	34	4	US-09-522-217-27	Sequence 27, Appl	C 496	20.8	0.4	43	4	US-09-387-303-36	Sequence 36, Appl
424	21.2	0.4	34	4	US-09-522-217-27	Sequence 27, Appl	C 497	20.8	0.4	43	4	US-09-362-871-6	Sequence 6, Appl
425	21.2	0.4	36	4	US-09-420-592A-12	Sequence 12, Appl	C 498	20.8	0.4	46	2	US-08-663-688A-4	Sequence 4, Appl
426	21.2	0.4	39	3	US-09-118-752-1	Sequence 1, Appl	C 499	20.8	0.4	46	4	US-09-641-638-871	Sequence 871, Appl
427	21.2	0.4	40	4	US-09-306-290-25	Sequence 25, Appl	C 500	20.8	0.4	47	4	US-08-641-638-871	Sequence 871, Appl
428	21.2	0.4	40	4	US-09-306-290-38	Sequence 38, Appl	C 501	20.8	0.4	47	4	US-08-906-156A-78	Sequence 78, Appl
429	21.2	0.4	40	4	US-09-306-290-41	Sequence 41, Appl	C 502	20.8	0.4	35	1	US-08-126-594-12	Sequence 12, Appl
430	21.2	0.4	41	1	US-08-142-897-1	Sequence 1, Appl	C 503	20.6	0.4	35	1	US-08-110-158-8	Sequence 8, Appl
431	21.2	0.4	41	1	US-08-113-646A-39	Sequence 39, Appl	C 504	20.6	0.4	35	1	US-09-465-811A-12	Sequence 12, Appl
432	21.2	0.4	47	4	US-09-641-638-748	Sequence 748, Appl	C 505	20.6	0.4	35	2	US-08-619-542B-12	Sequence 12, Appl
433	21.2	0.4	47	4	US-08-093-453B-12	Sequence 12, Appl	C 506	20.6	0.4	37	2	US-08-762-166-7	Sequence 7, Appl
434	21.2	0.4	36	1	US-08-459-041A-9	Sequence 9, Appl	C 507	20.6	0.4	37	2	US-08-762-166-12	Sequence 12, Appl
435	21.2	0.4	36	4	US-09-244-794A-14	Sequence 14, Appl	C 508	20.6	0.4	37	4	US-09-320-774-7	Sequence 7, Appl
436	21.2	0.4	36	4	US-09-247-190-14	Sequence 14, Appl	C 509	20.6	0.4	37	4	US-09-320-774-12	Sequence 12, Appl
437	21.2	0.4	37	4	US-08-158-627F-12	Sequence 12, Appl	C 510	20.6	0.4	37	4	US-09-261-855-35	Sequence 35, Appl
438	21.2	0.4	37	4	US-08-465-712C-12	Sequence 12, Appl	C 511	20.6	0.4	38	4	US-09-306-290-12	Sequence 12, Appl
439	21.2	0.4	37	4	US-09-552-733-12	Sequence 12, Appl	C 512	20.6	0.4	40	4	US-09-306-290-21	Sequence 21, Appl
440	21.2	0.4	38	4	US-09-325-554-8	Sequence 8, Appl	C 513	20.6	0.4	40	4	US-08-478-039-40	Sequence 40, Appl
441	21.2	0.4	38	4	US-09-325-554-9	Sequence 9, Appl	C 514	20.6	0.4	41	1	US-08-478-039-40	Sequence 40, Appl
442	21.2	0.4	39	4	US-09-306-290-40	Sequence 40, Appl	C 515	20.6	0.4	41	3	US-08-523-894-33	Sequence 33, Appl
443	21.2	0.4	40	4	US-09-306-290-7	Sequence 7, Appl	C 516	20.6	0.4	41	4	US-09-130-546D-4	Sequence 4, Appl
444	21.2	0.4	40	4	US-09-306-290-9	Sequence 9, Appl	C 517	20.6	0.4	41	4	US-09-130-546D-2	Sequence 2, Appl
445	21.2	0.4	40	4	US-09-306-290-14	Sequence 14, Appl	C 518	20.6	0.4	42	4	US-09-101-751A-69	Sequence 69, Appl
446	21.2	0.4	40	4	US-09-306-290-29	Sequence 29, Appl	C 519	20.6	0.4	45	1	US-07-912-900-10	Sequence 10, Appl
447	21.2	0.4	40	4	US-09-476-256-27	Sequence 27, Appl	C 520	20.6	0.4	45	1	US-08-285-309-10	Sequence 10, Appl
448	21.2	0.4	42	1	US-08-741-881-3	Sequence 3, Appl	C 521	20.6	0.4	45	1	US-08-522-623-4	Sequence 4, Appl
449	21.2	0.4	42	2	US-08-739-158-3	Sequence 3, Appl	C 522	20.6	0.4	45	1	US-08-313-075A-11	Sequence 11, Appl
450	21.2	0.4	42	2	US-08-739-167-3	Sequence 3, Appl	C 523	20.6	0.4	45	2	US-08-379-556A-6	Sequence 6, Appl
451	21.2	0.4	42	3	US-08-404-796-3	Sequence 3, Appl	C 524	20.6	0.4	45	2	US-08-379-556A-1	Sequence 1, Appl
452	21.2	0.4	42	3	US-08-331-869-3	Sequence 3, Appl	C 525	20.6	0.4	45	2	US-08-502-046-10	Sequence 10, Appl
453	21.2	0.4	42	4	US-09-350-399-3	Sequence 3, Appl	C 526	20.6	0.4	45	5	PCT-US93-03256-4	Sequence 4, Appl
454	21.2	0.4	42	4	US-09-236-146A-3	Sequence 1, Appl	C 527	20.6	0.4	46	3	US-08-289-222E-11	Sequence 11, Appl
455	21.2	0.4	43	4	US-09-306-290-1	Sequence 1, Appl	C 528	20.6	0.4	46	4	US-09-054-526B-11	Sequence 11, Appl
456	21.2	0.4	45	1	US-08-440-391-25	Sequence 25, Appl	C 529	20.4	0.4	22	1	US-08-123-449A-19	Sequence 19, Appl
457	21.2	0.4	45	2	US-08-908-597A-25	Sequence 25, Appl	C 530	20.4	0.4	22	1	US-08-458-050-19	Sequence 19, Appl
458	21.2	0.4	45	4	US-09-236-385A-25	Sequence 25, Appl	C 531	20.4	0.4	22	3	US-08-847-844A-94	Sequence 94, Appl
459	21.2	0.4	45	5	PCT-US96-06122-25	Sequence 25, Appl	C 532	20.4	0.4	22	4	US-08-950-196-19	Sequence 19, Appl
460	21.2	0.4	46	1	US-08-249-112-5	Sequence 5, Appl	C 533	20.4	0.4	23	2	US-08-637-115-3	Sequence 3, Appl
461	21.2	0.4	46	5	US-08-465-364-5	Sequence 5, Appl	C 534	20.4	0.4	23	4	US-09-395-604A-3	Sequence 3, Appl
462	21.2	0.4	46	5	PCT-US95-06556-5	Sequence 5, Appl	C 535	20.4	0.4	26	4	US-09-527-345-6	Sequence 6, Appl
463	21.2	0.4	49	1	US-08-641-638-917	Sequence 917, Appl	C 536	20.4	0.4	26	4	US-09-167-513-10	Sequence 10, Appl
464	21.2	0.4	49	1	US-08-361-337-5	Sequence 5, Appl	C 537	20.4	0.4	30	1	US-08-455-627-12	Sequence 12, Appl
465	21.2	0.4	50	3	US-08-846-020A-6	Sequence 6, Appl	C 538	20.4	0.4	30	2	US-08-689-856-12	Sequence 12, Appl

539	20.4	0.4	30	4	US-08-787-321-12	Sequence 12, Appl	612	20.2	0.4	39	3	US-09-130-225-45	Sequence 45, Appl
540	20.4	0.4	32	1	US-08-113-646A-5	Sequence 5, Appli	613	20.2	0.4	39	4	US-09-537-357-49	Sequence 49, Appl
541	20.4	0.4	32	4	US-09-619-103-14	Sequence 14, Appl	614	20.2	0.4	39	4	US-09-455-061-45	Sequence 45, Appl
542	20.4	0.4	34	3	US-08-910-632-13	Sequence 13, Appl	615	20.2	0.4	39	4	US-09-101-751A-80	Sequence 80, Appl
543	20.4	0.4	34	3	US-08-808-611A-13	Sequence 13, Appl	616	20.2	0.4	40	2	US-08-771-624B-10	Sequence 10, Appl
544	20.4	0.4	34	4	US-09-569-344-13	Sequence 13, Appl	617	20.2	0.4	40	2	US-08-859-106A-4	Sequence 4, Appl
545	20.4	0.4	35	1	US-08-126-594-9	Sequence 9, Appli	618	20.2	0.4	40	4	US-09-306-290-31	Sequence 31, Appl
546	20.4	0.4	35	1	US-08-465-811A-9	Sequence 9, Appli	619	20.2	0.4	40	4	US-09-306-290-31	Sequence 31, Appl
547	20.4	0.4	35	2	US-08-619-542B-9	Sequence 9, Appli	620	20.2	0.4	40	4	US-09-306-290-33	Sequence 33, Appl
548	20.4	0.4	35	4	US-09-194-612A-14	Sequence 14, Appl	621	20.2	0.4	40	4	US-09-011-540-11	Sequence 11, Appl
549	20.4	0.4	38	4	US-09-454-704A-2	Sequence 2, Appli	622	20.2	0.4	42	4	US-09-306-290-13	Sequence 13, Appl
550	20.4	0.4	38	4	US-09-454-704A-12	Sequence 12, Appl	623	20.2	0.4	43	1	US-08-639-256-7	Sequence 7, Appl
551	20.4	0.4	38	4	US-09-325-554-16	Sequence 16, App	624	20.2	0.4	43	4	US-09-306-230-10	Sequence 10, Appl
552	20.4	0.4	38	4	US-09-325-554-17	Sequence 17, App	625	20.2	0.4	46	2	US-08-803-899-10	Sequence 10, Appl
553	20.4	0.4	39	1	US-08-466-033-170	Sequence 170, App	626	20.2	0.4	46	2	US-08-803-899-10	Sequence 10, Appl
554	20.4	0.4	39	1	US-08-466-033-184	Sequence 184, App	627	20.2	0.4	46	2	US-08-803-899-10	Sequence 10, Appl
555	20.4	0.4	39	1	US-08-591-498-17	Sequence 17, App	628	20.2	0.4	47	3	US-08-939-733-6	Sequence 6, Appl
556	20.4	0.4	39	1	US-08-444-733-170	Sequence 170, App	629	20.2	0.4	49	1	US-07-949-812-12	Sequence 12, Appl
557	20.4	0.4	39	1	US-08-444-733-184	Sequence 184, App	630	20.2	0.4	49	1	US-07-955-005A-6	Sequence 6, Appl
558	20.4	0.4	39	2	US-08-464-134-170	Sequence 170, App	631	20.2	0.4	49	4	US-09-005-298-21	Sequence 21, Appl
559	20.4	0.4	39	2	US-08-464-134-184	Sequence 184, App	632	20.2	0.4	49	4	US-08-768-619-21	Sequence 21, Appl
560	20.4	0.4	39	2	US-08-461-361-170	Sequence 170, App	633	20.2	0.4	49	4	US-08-768-619-21	Sequence 21, Appl
561	20.4	0.4	39	2	US-08-461-361-184	Sequence 184, App	634	20.2	0.4	49	5	PCT-US96-07709-40	Sequence 20, Appl
562	20.4	0.4	39	2	US-08-461-361-184	Sequence 184, App	635	20.2	0.4	49	6	PCT-US96-07709-40	Sequence 20, Appl
563	20.4	0.4	39	2	US-08-485-910-184	Sequence 184, App	636	20.2	0.4	50	1	US-08-906-156A-80	Sequence 80, Appl
564	20.4	0.4	39	3	US-08-910-632-17	Sequence 17, Appl	637	20.2	0.4	50	1	US-08-906-156A-80	Sequence 80, Appl
565	20.4	0.4	39	3	US-08-805-631A-17	Sequence 17, Appl	638	20.2	0.4	20	1	US-08-004-552-1	Sequence 1, Appl
566	20.4	0.4	39	3	US-09-120-386-4	Sequence 4, Appli	639	20.2	0.4	20	2	US-08-863-639A-72	Sequence 72, Appl
567	20.4	0.4	39	4	US-09-120-386-4	Sequence 4, Appli	640	20.2	0.4	20	2	US-08-863-639A-93	Sequence 93, Appl
568	20.4	0.4	39	4	US-09-120-386-4	Sequence 4, Appli	641	20.2	0.4	28	3	US-08-946-138-1	Sequence 1, Appl
569	20.4	0.4	39	4	US-09-120-386-4	Sequence 4, Appli	642	20.2	0.4	28	4	US-08-946-138-1	Sequence 1, Appl
570	20.4	0.4	39	4	US-09-120-386-4	Sequence 4, Appli	643	20.2	0.4	28	4	US-08-946-138-1	Sequence 1, Appl
571	20.4	0.4	40	1	US-08-510-032A-2	Sequence 2, Appli	644	20.2	0.4	29	1	US-08-400-275-13	Sequence 13, Appl
572	20.4	0.4	40	3	US-08-688-514-2	Sequence 2, Appli	645	20.2	0.4	30	1	US-08-592-936B-2	Sequence 2, Appl
573	20.4	0.4	40	4	US-09-306-290-8	Sequence 8, Appli	646	20.2	0.4	30	2	US-08-788-928A-12	Sequence 12, Appl
574	20.4	0.4	40	4	US-09-306-290-11	Sequence 11, Appl	647	20.2	0.4	30	2	US-03-111-573-2	Sequence 2, Appl
575	20.4	0.4	40	4	US-09-306-290-18	Sequence 18, Appl	648	20.2	0.4	33	1	US-08-112-646A-2	Sequence 2, Appl
576	20.4	0.4	40	4	US-09-306-290-33	Sequence 33, Appl	649	20.2	0.4	35	1	US-08-112-646A-2	Sequence 2, Appl
577	20.4	0.4	41	4	US-09-306-290-33	Sequence 33, Appl	650	20.2	0.4	35	1	US-08-465-811A-11	Sequence 11, Appl
578	20.4	0.4	42	4	US-09-454-704A-14	Sequence 14, Appl	651	20.2	0.4	35	2	US-08-619-542B-11	Sequence 11, Appl
579	20.4	0.4	43	1	US-08-473-096-9	Sequence 9, Appli	652	20.2	0.4	37	5	PCT-US92-10792-20	Sequence 20, Appl
580	20.4	0.4	43	1	US-08-473-096-14	Sequence 14, Appl	653	20.2	0.4	38	4	US-09-325-554-8	Sequence 8, Appl
581	20.4	0.4	46	1	US-08-171-382-211	Sequence 211, App	654	20.2	0.4	40	4	US-09-306-290-5	Sequence 5, Appl
582	20.4	0.4	46	1	US-08-123-946-211	Sequence 211, App	655	20.2	0.4	40	4	US-09-306-290-23	Sequence 23, Appl
583	20.4	0.4	46	2	US-08-475-228A-211	Sequence 211, App	656	20.2	0.4	42	3	US-08-910-632-28	Sequence 28, Appl
584	20.4	0.4	46	3	US-08-482-080A-211	Sequence 211, App	657	20.2	0.4	42	3	US-08-805-631A-28	Sequence 28, Appl
585	20.4	0.4	46	4	US-09-354-947-211	Sequence 211, App	658	20.2	0.4	42	4	US-09-536-936-8	Sequence 8, Appl
586	20.4	0.4	46	4	US-09-354-947-211	Sequence 211, App	659	20.2	0.4	42	4	US-09-536-936-8	Sequence 8, Appl
587	20.4	0.4	46	5	PCT-US93-12388-211	Sequence 12, App	660	20.2	0.4	43	2	US-08-686-599A-14	Sequence 14, Appl
588	20.4	0.4	50	2	US-08-828-007-7	Sequence 7, Appli	661	20.2	0.4	45	5	PCT-US93-03256-11	Sequence 11, Appl
589	20.4	0.4	50	4	US-09-007-005-5	Sequence 5, Appli	662	20.2	0.4	45	5	PCT-US93-03256-11	Sequence 11, Appl
590	20.2	0.4	50	4	US-09-244-796-5	Sequence 5, Appli	663	20.2	0.4	48	4	US-09-549-770B-14	Sequence 14, Appl
591	20.2	0.4	25	1	US-08-341-148-2	Sequence 2, Appli	664	20.2	0.4	50	1	US-08-420-443-2	Sequence 2, Appl
592	20.2	0.4	25	1	US-08-460-130-2	Sequence 2, Appli	665	20.2	0.4	50	4	US-08-646-695-10	Sequence 10, Appl
593	20.2	0.4	25	3	US-08-969-813-5	Sequence 1, Appli	666	20.2	0.4	50	5	PCT-US96-06053-10	Sequence 10, Appl
594	20.2	0.4	25	3	US-09-183-619-5	Sequence 5, Appli	667	20.2	0.4	24	2	US-08-936-106-10	Sequence 10, Appl
595	20.2	0.4	25	4	US-09-183-619-5	Sequence 5, Appli	668	20.2	0.4	24	4	US-09-338-307-10	Sequence 10, Appl
596	20.2	0.4	25	5	PCT-US94-14096-2	Sequence 2, Appli	669	20.2	0.4	24	4	US-09-338-307-10	Sequence 10, Appl
597	20.2	0.4	26	1	US-08-621-914A-1	Sequence 1, Appli	670	20.2	0.4	25	1	US-08-113-646A-42	Sequence 42, Appl
598	20.2	0.4	26	1	US-08-621-914A-3	Sequence 3, Appli	671	20.2	0.4	25	4	US-08-927-165A-10	Sequence 10, Appl
599	20.2	0.4	26	4	US-09-522-217-38	Sequence 38, Appl	672	20.2	0.4	30	3	US-08-771-781-2	Sequence 2, Appl
600	20.2	0.4	26	4	US-09-522-217-38	Sequence 38, Appl	673	20.2	0.4	32	1	US-08-126-594-8	Sequence 8, Appl
601	20.2	0.4	32	1	US-08-522-623-14	Sequence 14, Appl	674	20.2	0.4	32	1	US-08-465-811A-8	Sequence 8, Appl
602	20.2	0.4	32	5	PCT-US93-03256-14	Sequence 14, Appl	675	20.2	0.4	32	2	US-08-619-542B-8	Sequence 8, Appl
603	20.2	0.4	33	4	US-09-307-924-1	Sequence 1, Appli	676	20.2	0.4	33	2	US-08-975-302-46	Sequence 46, Appl
604	20.2	0.4	35	2	US-08-467-603-100	Sequence 100, App	677	20.2	0.4	33	3	US-09-251-565-46	Sequence 46, Appl
605	20.2	0.4	35	2	US-08-173-489C-19	Sequence 19, Appl	678	20.2	0.4	33	3	US-09-074-357-10	Sequence 10, Appl
606	20.2	0.4	35	2	US-08-466-733-100	Sequence 100, App	679	20.2	0.4	33	4	US-09-244-794A-15	Sequence 15, Appl
607	20.2	0.4	38	3	US-09-120-386-3	Sequence 3, Appli	680	20.2	0.4	33	4	US-09-054-492B-3	Sequence 3, Appl
608	20.2	0.4	38	4	US-09-120-386-3	Sequence 3, Appli	681	20.2	0.4	34	3	US-09-247-190-15	Sequence 15, Appl
609	20.2	0.4	38	4	US-09-120-386-3	Sequence 3, Appli	682	20.2	0.4	34	3	US-08-444-644-1	Sequence 1, Appl
610	20.2	0.4	38	4	US-09-120-386-3	Sequence 3, Appli	683	20.2	0.4	35	1	US-08-232-246A-1	Sequence 1, Appl
611	20.2	0.4	39	2	US-08-701-124-45	Sequence 45, App	684	20.2	0.4	35	1	US-08-126-594-20	Sequence 20, Appl

831	19.4	0.4	40	4	US-08-970-166-18	Sequence 18, Appl	C 904	19.2	0.4	36	4	US-09-372-448A-7	Sequence 7, Appl
832	19.4	0.4	41	1	US-07-967-262-5	Sequence 5, Appl	C 905	19.2	0.4	36	4	US-09-310-363C-9	Sequence 9, Appl
833	19.4	0.4	44	4	US-09-240-918-79	Sequence 79, Appl	C 906	19.2	0.4	36	4	US-09-504-445-7	Sequence 7, Appl
834	19.4	0.4	45	1	US-07-912-900-10	Sequence 10, Appl	C 907	19.2	0.4	37	1	US-08-611-107-16	Sequence 16, Appl
835	19.4	0.4	45	1	US-08-285-309-10	Sequence 10, Appl	C 908	19.2	0.4	37	4	US-08-934-386-13	Sequence 13, Appl
836	19.4	0.4	45	1	US-08-313-075A-6	Sequence 6, Appl	C 909	19.2	0.4	38	4	US-08-934-386-25	Sequence 25, Appl
837	19.4	0.4	45	2	US-08-379-556A-11	Sequence 11, Appl	C 910	19.2	0.4	40	3	US-08-688-514-14	Sequence 14, Appl
838	19.4	0.4	45	2	US-08-379-482A-1	Sequence 1, Appl	C 911	19.2	0.4	40	3	US-08-080-044-18	Sequence 18, Appl
839	19.4	0.4	45	2	US-08-502-046-10	Sequence 10, Appl	C 912	19.2	0.4	40	4	US-09-306-290-5	Sequence 5, Appl
840	19.4	0.4	45	4	US-09-549-770B-11	Sequence 11, Appl	C 913	19.2	0.4	40	4	US-09-306-290-20	Sequence 20, Appl
841	19.4	0.4	45	6	5427329-23	Patent No. 5427329	C 914	19.2	0.4	40	4	US-09-306-290-23	Sequence 23, Appl
842	19.4	0.4	45	6	5427329-24	Patent No. 5427329	C 915	19.2	0.4	40	4	US-09-306-290-29	Sequence 29, Appl
843	19.4	0.4	47	4	US-09-641-638-1148	Sequence 1148, Ap	C 916	19.2	0.4	40	4	US-09-531-857A-18	Sequence 18, Appl
844	19.4	0.4	47	4	US-09-552-322-43	Sequence 43, Appl	C 917	19.2	0.4	40	4	US-08-970-173-12	Sequence 12, Appl
845	19.4	0.4	48	2	US-08-776-944-6	Sequence 6, Appl	C 918	19.2	0.4	42	4	US-09-536-936-9	Sequence 9, Appl
846	19.4	0.4	48	4	US-09-549-770B-15	Sequence 15, Appl	C 919	19.2	0.4	44	4	US-09-536-936-9	Sequence 9, Appl
847	19.4	0.4	50	1	US-07-720-222-43	Sequence 43, Appl	C 920	19.2	0.4	46	1	US-08-518-914-11	Sequence 11, Appl
848	19.4	0.4	50	1	US-08-109-391A-11	Sequence 11, Appl	C 921	19.2	0.4	46	1	US-08-222-177A-149	Sequence 149, Ap
849	19.4	0.4	50	1	US-08-459-019A-11	Sequence 11, Appl	C 922	19.2	0.4	46	4	US-08-641-638-1292	Sequence 2, Appl
850	19.4	0.4	50	1	US-08-485-107-3	Sequence 3, Appl	C 923	19.2	0.4	47	1	US-08-178-476A-2	Sequence 2, Appl
851	19.4	0.4	50	1	US-08-724-194-7	Sequence 7, Appl	C 924	19.2	0.4	47	4	US-09-083-366-2	Sequence 2, Appl
852	19.4	0.4	50	2	US-08-460-428A-11	Sequence 11, Appl	C 925	19.2	0.4	47	4	US-09-641-638-897	Sequence 997, App
853	19.4	0.4	50	2	US-08-879-260-9	Sequence 9, Appl	C 926	19.2	0.4	47	4	US-09-641-638-1167	Sequence 1167, Ap
854	19.4	0.4	50	2	US-08-799-464A-27	Sequence 27, Appl	C 927	19.2	0.4	47	4	US-09-641-638-1284	Sequence 1284, Ap
855	19.4	0.4	50	3	US-08-874-825-36	Sequence 36, Appl	C 928	19.2	0.4	47	4	US-09-552-322-43	Sequence 43, Appl
856	19.4	0.4	50	3	US-08-663-824-36	Sequence 36, Appl	C 929	19.2	0.4	49	1	US-07-949-812-16	Sequence 16, Appl
857	19.4	0.4	50	3	US-08-458-860A-11	Sequence 11, Appl	C 930	19.2	0.4	49	1	US-07-955-905A-10	Sequence 10, Appl
858	19.4	0.4	50	3	US-08-899-029-2	Sequence 2, Appl	C 931	19.2	0.4	49	1	US-09-275-850-197	Sequence 197, App
859	19.4	0.4	50	4	US-08-934-627B-3	Sequence 3, Appl	C 932	19.2	0.4	50	1	US-08-455-627-26	Sequence 26, Appl
860	19.4	0.4	50	4	US-09-171-482-3	Sequence 3, Appl	C 933	19.2	0.4	50	2	US-08-689-856-26	Sequence 26, Appl
861	19.4	0.4	50	4	US-09-231-303-36	Sequence 36, Appl	C 934	19.2	0.4	50	4	US-08-906-156A-79	Sequence 79, Appl
862	19.4	0.4	50	4	US-09-255-154D-1	Sequence 1, Appl	C 935	19.2	0.4	50	4	US-08-906-156A-91	Sequence 91, Appl
863	19.2	0.4	24	1	US-08-014-943A-25	Sequence 25, Appl	C 936	19.2	0.4	50	4	US-08-906-156A-92	Sequence 92, Appl
864	19.2	0.4	24	1	US-08-486-421-50	Sequence 50, Appl	C 937	19.2	0.4	20	4	US-09-407-675-2	Sequence 2, Appl
865	19.2	0.4	24	1	US-08-470-911-50	Sequence 50, Appl	C 938	19.2	0.4	28	2	US-08-762-106-11	Sequence 11, Appl
866	19.2	0.4	24	2	US-08-735-381-1	Sequence 1, Appl	C 939	19.2	0.4	28	4	US-09-320-774-11	Sequence 11, Appl
867	19.2	0.4	24	2	US-08-486-805-50	Sequence 50, Appl	C 940	19.2	0.4	28	2	US-08-664-485-15	Sequence 15, Appl
868	19.2	0.4	24	3	US-09-183-619-7	Sequence 7, Appl	C 941	19.2	0.4	29	3	US-09-157-177-27	Sequence 27, Appl
869	19.2	0.4	24	3	US-09-201-674-1	Sequence 1, Appl	C 942	19.2	0.4	29	3	US-09-157-177-46	Sequence 46, Appl
870	19.2	0.4	24	4	US-09-536-936-11	Sequence 11, Appl	C 943	19.2	0.4	30	1	US-08-296-793-2	Sequence 2, Appl
871	19.2	0.4	24	4	US-09-025-639-4	Sequence 4, Appl	C 944	19.2	0.4	33	1	US-08-438-639-69	Sequence 69, Appl
872	19.2	0.4	24	4	US-09-333-237-4	Sequence 4, Appl	C 945	19.2	0.4	33	1	US-07-813-338A-69	Sequence 69, Appl
873	19.2	0.4	24	4	US-09-732-067-1	Sequence 1, Appl	C 946	19.2	0.4	33	2	US-08-470-124-84	Sequence 84, Appl
874	19.2	0.4	25	2	US-08-173-489C-34	Sequence 34, Appl	C 947	19.2	0.4	33	3	US-08-441-971-145	Sequence 145, App
C 875	19.2	0.4	27	1	US-07-996-772A-8	Sequence 8, Appl	C 948	19.2	0.4	33	3	US-08-910-632-23	Sequence 23, Appl
876	19.2	0.4	27	1	US-08-330-000-2	Sequence 2, Appl	C 949	19.2	0.4	33	3	US-08-805-631A-20	Sequence 20, Appl
C 877	19.2	0.4	27	1	US-08-446-822-10	Sequence 10, Appl	C 950	19.2	0.4	33	4	US-08-221-653-145	Sequence 145, App
C 878	19.2	0.4	27	3	US-08-965-908-2	Sequence 2, Appl	C 951	19.2	0.4	33	4	US-08-442-144A-145	Sequence 145, App
C 879	19.2	0.4	27	5	FCT US93-12586-10	Sequence 10, Appl	C 952	19.2	0.4	33	4	US-08-441-970-145	Sequence 145, App
C 880	19.2	0.4	30	1	US-08-113-646A-16	Sequence 16, Appl	C 953	19.2	0.4	33	4	US-09-307-924-1	Sequence 1, Appl
C 881	19.2	0.4	30	1	US-08-113-646A-34	Sequence 34, Appl	C 954	19.2	0.4	33	4	US-09-569-344-20	Sequence 20, Appl
C 882	19.2	0.4	32	1	US-08-627-706-7	Sequence 7, Appl	C 955	19.2	0.4	34	3	US-08-910-632-21	Sequence 21, Appl
C 883	19.2	0.4	32	3	US-08-766-355-8	Sequence 8, Appl	C 956	19.2	0.4	34	3	US-08-805-631A-21	Sequence 21, Appl
C 884	19.2	0.4	32	4	US-09-103-499-7	Sequence 7, Appl	C 957	19.2	0.4	34	4	US-09-569-344-21	Sequence 21, Appl
C 885	19.2	0.4	32	4	US-09-003-198A-8	Sequence 8, Appl	C 958	19.2	0.4	35	1	US-08-126-594-10	Sequence 10, Appl
C 886	19.2	0.4	32	4	US-09-428-835-8	Sequence 8, Appl	C 959	19.2	0.4	35	1	US-08-126-594-14	Sequence 14, Appl
C 887	19.2	0.4	32	5	FCT US92-10792-1	Sequence 14, Appl	C 960	19.2	0.4	35	1	US-08-126-594-15	Sequence 15, Appl
C 888	19.2	0.4	32	5	FCT US92-10792-1	Sequence 14, Appl	C 961	19.2	0.4	35	1	US-08-126-594-15	Sequence 15, Appl
C 889	19.2	0.4	33	1	US-08-465-334-4	Sequence 4, Appl	C 962	19.2	0.4	35	1	US-08-126-594-17	Sequence 17, Appl
C 890	19.2	0.4	34	3	US-08-910-632-19	Sequence 19, Appl	C 963	19.2	0.4	35	1	US-08-126-594-18	Sequence 18, Appl
C 891	19.2	0.4	34	3	US-08-910-632-38	Sequence 38, Appl	C 964	19.2	0.4	35	1	US-08-465-811A-10	Sequence 10, Appl
C 892	19.2	0.4	34	3	US-08-805-631A-19	Sequence 19, Appl	C 965	19.2	0.4	35	1	US-08-465-811A-14	Sequence 14, Appl
C 893	19.2	0.4	34	3	US-08-805-631A-38	Sequence 38, Appl	C 966	19.2	0.4	35	1	US-08-465-811A-15	Sequence 15, Appl
C 894	19.2	0.4	34	4	US-09-569-344-19	Sequence 19, Appl	C 967	19.2	0.4	35	1	US-08-465-811A-16	Sequence 16, Appl
C 895	19.2	0.4	34	4	US-09-569-344-38	Sequence 38, Appl	C 968	19.2	0.4	35	1	US-08-465-811A-17	Sequence 17, Appl
C 896	19.2	0.4	36	3	US-09-362-318-3	Sequence 3, Appl	C 969	19.2	0.4	35	1	US-08-465-811A-18	Sequence 18, Appl
C 897	19.2	0.4	36	3	US-09-358-580-13	Sequence 13, Appl	C 970	19.2	0.4	35	2	US-08-619-542B-10	Sequence 10, Appl
C 898	19.2	0.4	36	3	US-09-362-506-3	Sequence 3, Appl	C 971	19.2	0.4	35	2	US-08-619-542B-14	Sequence 14, Appl
C 899	19.2	0.4	36	4	US-09-385-801-3	Sequence 3, Appl	C 972	19.2	0.4	35	2	US-08-619-542B-15	Sequence 15, Appl
C 900	19.2	0.4	36	4	US-09-425-383-3	Sequence 3, Appl	C 973	19.2	0.4	35	2	US-08-619-542B-16	Sequence 16, Appl
C 901	19.2	0.4	36	4	US-09-426-557-9	Sequence 9, Appl	C 974	19.2	0.4	35	2	US-08-619-542B-17	Sequence 17, Appl
C 902	19.2	0.4	36	4	US-09-413-574-5	Sequence 5, Appl	C 975	19.2	0.4	35	2	US-08-619-542B-18	Sequence 18, Appl
C 903	19.2	0.4	36	4	US-09-372-422A-49	Sequence 49, Appl	C 976	19.2	0.4	37	3	US-09-024-002B-34	Sequence 34, Appl

QY 1240 AAAAAAAAAACAAACAAACAAACAAACCAAGTCCCTTCCCGGCGAG 1286
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Db 48 AAAAAAAAAAAAAAAAAAAAAAAAAAAGATTGAGCTCGCGCGC 2

RESULT 26

US-08-898-911-5/c
; Sequence 5, Application US/08898911
; Patent No. 6117650
; GENERAL INFORMATION:
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses Therefor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/898,911
; FILING DATE: 23-Jul-1997
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/233609
; FILING DATE: 25-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 98/246304
; FILING DATE: 05-AUG-1994
; APPLICATION NUMBER: 08/452555
; FILING DATE: 25-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Conley, Deirdre L.
; REGISTRATION NUMBER: 36,487
; REFERENCE/DOCKET NUMBER: P0894PID6C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-2066
; TELEFAX: 650/952-9881

; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; US-08-898-911-5

Query Match 0.5%; Score 26.2; DB 3; Length 50;
Best Local Similarity 72.3%; Pred. No. 9.4e+02;
Matches 34; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1240 AAAAAAAAAACAAACAAACAAACCAAGTCCCTTCCCGGCGAG 1286
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 48 AAAAAAAAAAAAAAAAAAAAAAAAAAAGATTGAGCTCGCGCGC 2

RESULT 27

PCT-US95-04467-5/c
; Sequence 5, Application PC/TUS9504467
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; TITLE OF INVENTION: Cardiostrophin and Uses Therefor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco

; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04467
; FILING DATE:

; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/233609
; FILING DATE: 25-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 894PIPT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896

; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; PCT-US95-04467-5

Query Match 0.5%; Score 26.2; DB 5; Length 50;
Best Local Similarity 72.3%; Pred. No. 9.4e+02;
Matches 34; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1240 AAAAAAAAAACAAACAAACCAAGTCCCTTCCCGGCGAG 1286
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 48 AAAAAAAAAAAAAAAAAAAAAAAAAAAGATTGAGCTCGCGCGC 2

RESULT 28

US-09-244-794A-11
; Sequence 11, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
; APPLICANT: Szostak, Jack W.
; APPLICANT: Roberts, Richard W.
; APPLICANT: Liu, Rihe
; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA PROTEIN
; TITLE OF INVENTION: FUSIONS
; FILE REFERENCE: 00786/350006
; CURRENT APPLICATION NUMBER: US/09/244,794A
; CURRENT FILING DATE: 1999-02-05

; PRIOR APPLICATION NUMBER: 60/035,963
; PRIOR FILING DATE: 1997-01-27
; PRIOR APPLICATION NUMBER: 60/064,491
; PRIOR FILING DATE: 1997-11-06
; PRIOR APPLICATION NUMBER: 09/007,005
; PRIOR FILING DATE: 1998-01-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 42
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Translation template
; US-09-244-794A-11

Query Match 0.5%; Score 26; DB 4; Length 42;
Best Local Similarity 85.3%; Pred. No. 9.6e+02;
Matches 29; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

1. **Introduction**

;; SOFTWARE: patin (Genentech)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/443,129
;; FILING DATE: 17-MAY-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/233609
;; FILING DATE: 25-APR-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/286
;; FILING DATE: 05-AUG-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 304
;; FILING DATE: (null)
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Torchia, Timothy E.
;; REGISTRATION NUMBER: 36,700
;; REFERENCE/DOCKET NUMBER: 894P12
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415/225-8674
;; TELEFAX: 415/952-9881
;; TELEX: 910/371-7168
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 50 bases
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; US-08-443-129-5

Query Match 0.5%; Score 25.6; DB 1; Length 50;
Best Local Similarity 87.5%; Pred. No. 1.4e+03;
Matches 28, Conservative 0, Mismatches 4, Indels 0, Gaps 0,

Qy 3124 TTCTTCCTCTTTTGTGTTTTTTT 3155
Db 18 TTCTTTTGTGTTTTTTT 49

RESULT 38
US-08-443-952-5
; Sequence 5, Application US/08443952
; Patent No. 5679545
; GENERAL INFORMATION:
; APPLICANT: Baker, Joffre
; APPLICANT: Chien, Kenneth
; APPLICANT: King, Kathleen
; APPLICANT: Pennica, Diane
; APPLICANT: Wood, William
; TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses Therefor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,952
; FILING DATE: 17-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/233609
; FILING DATE: 25-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/286304
; FILING DATE: 05-AUG-1994

;; ATTORNEY/AGENT INFORMATION:
;; NAME: Torchia, Timothy E.
;; REGISTRATION NUMBER: 36,700
;; REFERENCE/DOCKET NUMBER: 894P1D4
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415/225-8674
;; TELEFAX: 415/952-9881
;; TELEX: 910/371-7168
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 50 bases
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; US-08-443-952-5

Query Match 0.5%; Score 25.6; DB 1; Length 50;
Best Local Similarity 87.5%; Pred. No. 1.4e+03;
Matches 28, Conservative 0, Mismatches 4, Indels 0, Gaps 0;

Qy 3124 TTCTTCCTCTTTTGTGTTTTTTT 3155
Db 18 TTCTTTTGTGTTTTTTT 49

RESULT 39
US-08-443-130-5
; Sequence 5, Application US/08443130
; Patent No. 573585
; GENERAL INFORMATION:
; APPLICANT: Baker, Joffre
; APPLICANT: Chien, Kenneth
; APPLICANT: King, Kathleen
; APPLICANT: Pennica, Diane
; APPLICANT: Wood, William
; TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,130
; FILING DATE: 17-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/233609
; FILING DATE: 25-APR-1994
; APPLICATION NUMBER: 08/286304
; FILING DATE: 05-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: 894P1D3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8674
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 bases
; TYPE: nucleic acid
; STRANDEDNESS: single

Search completed: March 11, 2003, 16:22:35
Job time : 138 secs